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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/522,185	03/09/2000	Henry Li	36713/CAG/B600	2282

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EXAMINER

VINCENT, DAVID ROBERT

ART UNIT PAPER NUMBER

2661

DATE MAILED: 03/31/2004

14

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/522,185

Applicant(s)

LI ET AL.

Examiner

David R Vincent

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE \_\_\_\_\_ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 03 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-94 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-94 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

2. Claims 1-7, 9-12, 18, 20, 25-32, 34-37, 43, 45, 49-54, 57-59, 61-62, 64, 70-78, 81-83, 85-86, 88, and 93-94 are rejected under 35 U.S.C. 102(e) as being anticipated by Schoo (US 6,304,574).

Schoo discloses a voice exchange "capable of" (meaning does not have to actually perform operation) exchanging voice signals (telephones, Fig. 12; col. 8, lines 35-49) between a network line (PSTN, Figs. 10/11) and a packet line (Internet, Fig. 10; LAN,

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Fig. 11), full duplex (col. 4, lines 20-22; col. 10, lines 1-16; col. 19, lines 20-29), demodulated data (col. 3, lines 61-67; col. 6, lines 21-41, especially line 29; col. 8, lines 20-49, especially lines 29-30; col. 9, lines 1-22), call discriminator "capable of" discriminating between voice and data (e.g., 30, Fig. 2; determine protocol, Fig. 4; 30, Figs. 10-11; Fig. 14, 414, Fig. 16-17 and respective disclosures), data pump (merely an extremely broad term see e.g., col. 10, lines 16-25 and applicant's claims 4 and 6 which appear to contradict each other as to what a pump does where it outputs to), jitter buffer (382, Fig. 13; 420, Fig. 16; 420, Fig. 18; col. 4, lines 34-64; col. 14, lines 15-32), echo cancel (430, Fig. 16; 430, Fig. 18; col. 14, lines 1-14; col. 20, lines 54-65), lost packets (382, Fig. 13), DTMF (408, Fig. 17; col. 15, lines 1-67), isochronous (merely a broad term which can imply real time traffic, col. 4, lines 23-34), voice band (not further defined) carriers (modems Fig. 3; TDM or PCM, Fig. 15-16, 17), telephony devices (406, Fig. 16), encoding rates (204, Fig. 4; Figs. 5-9, encoding, Figs. 10-14, 16, 19, and respective disclosure).

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 8, 13-17, 19, 21-24, 38-42, 47-48, 55-56, 65-69, 79-80, 89-92 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schoo in view of Foltan (US 6,667,972) or Chen (US 6,611,531).

Foltan teaches Fax (e.g., col. 7, lines 5-16; Fig. 4-5), as specified in claims 22-24, 47-48, 66-68, 90-19; voice activity detection, muting, and adding comfort noise or spoof data (e.g., col. 4, lines 26-34; col. 5, lines 8-12; col. 7, lines 5-16; col. 33, lines 29-55; Fig. 4; voice services, Fig. 5), as specified in claims 13-14, 15-17, 38-42; voice band (not further defined) carriers (e.g., col. 17-25-65).


Chen teaches Fax (e.g., col. 15, lines 16-39), as specified in claims 22-24, 47-48, 66-68, 90-19; voice activity detection, muting, and adding comfort noise or spoof data (e.g., col. 1, lines 2-8; col. 13, lines 34-50; col. 14, line 64-col. 15, line 15), as specified in claims 13-14, 15-17, 38-42;

It is obvious to combine the further control of echo canceling, gain control, voice detection of Foltan/Chen because Schoo discloses interacting with LANs, echo canceling and using telephones and various encoding schemes along with jitter control.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David R Vincent whose telephone number is 703 305 4957. The examiner can normally be reached on M-TH.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas Olms can be reached on 703 305 4703. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
David R Vincent  
Primary Examiner  
Art Unit 2661

March 27, 2004